

Summative Assessment - Brier Score

This data set also provides the status of a patient, i.e. if the patient is alive or deceased, denoted by the variable `vital_status`. Predict the variable `vital_status` using the covariates `tumorstage` and `grade`, and then use these predictions to calculate the Brier score.

Select the variables from the data set:

```
y = GSE17260_eset$vital_status
y = ifelse(y == "deceased", 1, 0)
x = cbind(as.numeric(GSE17260_eset$tumorstage), GSE17260_eset$grade)
bb = data.frame(na.omit(cbind(y,x)))
```

1. Fit a logistic model to predict the variable `vital_status`.
2. Compute and report the Brier Score.